

IN THE ABSTRACT

Please substitute the following for the presently pending Abstract:

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---An ultra-slim disk-spindle motor includes a cylindrical hub of which both ends are opened. The hub has an inner protruding portion formed along a central portion of an inner circumferential face of the hub and an outer protruding portion formed along an upper side of the outer circumferential face of the hub. An upper ball bearing and a lower ball bearing are fixedly inserted above and below the inner protruding portion. A permanent magnet is bonded to a lower side of an outer circumferential face of the outer protruding portion of the hub, a disk is mounted on an upper face of the outer protruding portion of the hub, and a clamp is fixed to the hub using a bolt and in order to mount the disk.---